



KEWAUNEE CARES JUNE 17, 2015 SAMPLING EVENT

Lab ID #	Stream name	Sample Location	collection date	Sample Time	Collected By	Standard Method 9223		EPA Method 300	Total Phosphorous
						MPN Bacteria Results in CFU		Nitrate Results as Nitrogen	Analyzed by: Pace Analytical
						Total Coliform	E. Coli		
15AL0687	Kewaunee River - Mouth	Harbor Area	6/17/2015	8:18 AM	Ex. 6 Personal Privacy (PP)	501.2	48.1	1.36 mg/L	NA
15AL0688	E Twin River - Exit	Cty Rd BB & Mill Lane	6/17/2015	8:55 AM		>2419.6	>2419.6	2.74 mg/L	0.16 mg/L
15AL0688 (10X Dil*)	E Twin River - Exit	Cty Rd BB & Mill Lane	6/17/2015	8:55 AM		19863	3873	NA	NA
15AL0689	E Twin River - Source	Ellisville, Cty F & AB	6/17/2015	9:40 AM		>2419.6	770.1	3.38 mg/L	NA
15AL0690	Ahnapee River - Mouth	Olson Park	6/17/2015	11:05 AM		920.8	228.2	0.776 mg/L	0.081 mg/L
15AL0691	Ahnapee River - Source	Stevenson Pier Rd & Cty H	6/17/2015	11:40 AM		>2419.6	224.7	4.77 mg/L	<0.052 mg/L
15AL0692	Kewaunee River - Source	Maple Rd & County S	6/17/2015	12:05 PM		>2419.6	275.5	12.1 mg/L	<0.052 mg/L

*10 X dilution set up at 5:25pm on 6/18/2015 and read out on 6/19/2015.

Analyte detection Limit 1 CFU 1 CFU 0.014 mg/L 0.052 mg/L

If the E. coli count is greater than 1000 MPN/100 mL, the beach is closed.

If the E. coli count is greater than 235 MPN/100 mL but less than 1000 MPN/100 mL, an advisory is issued.

If the E. coli count is under 235 MPN/100 mL, the beach has no advisories or warnings issued.

Total Coliform <1 CFU is safe for drinking

E. Coli level <1 CFU is safe for drinking

The following RiverWatch chart can be used as a guideline for interpreting the phosphorous concentrations in a river:

Phosphorous Concentration	mg/L	River Water Quality	Aquatic Ecosystem
Low	0.01 - 0.05	Good	Healthy
Medium	0.05 - 0.1	Fair	Borderline healthy
High	0.1 - 10	Poor	Unhealthy

MPN is most probable number of CFU (colony forming units) per 100 mL sample

Also nitrates Maximum contamination level for drinking water allowed by the EPA is: 10 mg/Liter (apprx. 1 quart).

All samples were received and transferred on ice

Bacteria and nitrate samples tested by:

Analytichem LLC
Laboratory Services
N 9190 Bay Meadows Ln
Luxemburg, WI 54217
920-866-3944 fax 920-866-3755
WI Lab Cert. # 105-430

7/10/2015